

LONG TERM INTERNSHIP

SCHOOL MANAGEMENT SYSTEM

A Project Submitted In Partial Fulfillment of the
Requirements for The Degree Of

BACHELOR OF COMPUTER SCIENCE

By

CHAPPA SANGEETHA

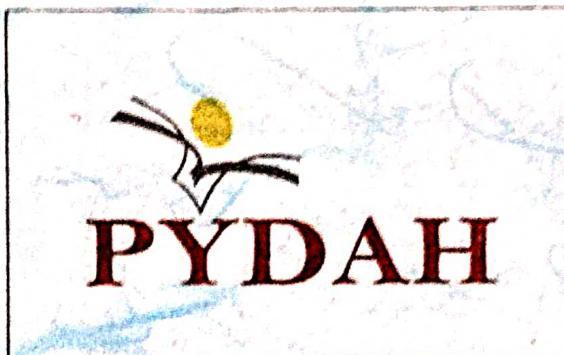
Regd.No.720131905013

Under the esteemed guidance of

Y.KRISHNA

Lecturer in Computer Science

Pydah College for Women

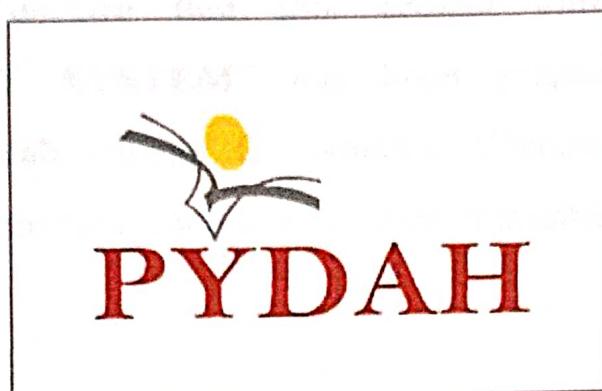


PYDAH COLLEGE FOR WOMEN
AFFILIATED TO ANDHRA UNIVERSITY
VISAKHAPATNAM
2022-2023

PYDAH DEGREE COLLEGE FOR WOMEN

(Affiliated by Andhra University)

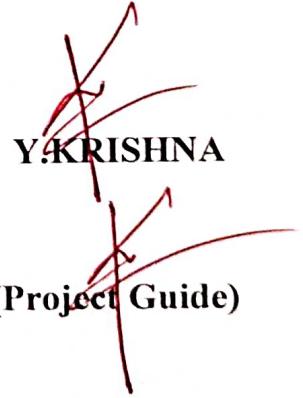
Visakhapatnam



CERTIFICATE

This is to certify that this is a bonafide project work entitled
“SCHOOL MANAGEMENT SYSTEM” by **CHAPPA SANGEETHA** bearing regd.no.720131905013 student of bachelor of computer science in Pydah College for women, Andhra university during period 2022-2023

External:


Y. KRISHNA


(Project Guide)


HOD

DECLARATION

I hereby declare that this project entitled "SCHOOL MANAGEMENT SYSTEM" has been prepared by me and submitted to pydah college for women, Visakhapatnam and this project has not been submitted to any other in institute previously.

Project Management System
Visakhapatnam

Name: CH.SANGEETHA

Date:

[Type text]

Project Name: School Management System

Project ID: SMS-2023-001

Version: 1.0

Author: [Your Name]

Date: [Current Date]

Page: 1 of 10

Table of Contents

1. Introduction

2. Project Objectives

3. Scope of the Project

4. System Requirements

5. System Architecture

6. Implementation of the Project

7. Status of Project Progress

8. Conclusion

9. Future Work

10. References

11. Appendix

12. About the Author

13. Acknowledgments

14. Contact Information

15. Footer

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CONTEXT

1.Objectives

2.Input and Output

3.Details of Modules

4.Usecase Diagrams

5.Tools/Platforms/Languages

6.Coding(PHP and My Sql)

7.Database Tables

8.Output Screens

9.Test Cases

10.Limitations of the Project

11.Scope of Future Reference

Bibliography

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1.OBJECTIVES

Online School management system is a web application, very much used for all schools, colleges. Now a days in schools and colleges it is difficult to maintain faculties, their hours, and student details.. Using our application, we can easily maintain entire school data, and we can easily search for each faculty periods.

Admin can add, delete, update, display existing students and faculty details.

Each and every faculties periods are added to our database. students can register by his own. After that the student can search for his class subjects and their faculty names.

[Type text]

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2.INPUT AND OUTPUT

Input Forms in our project:

- 1) Student registration form
- 2) Faculties registration form

Output Pages in our project:

- 1) Display all faculties and their periods
- 2) Display all student details
- 3) Students can search faculty details.

[Type text]

[Type text]

3.DETAILS OF MODULES

Our Project having Three Modules:

- 1) Admin Module
- 2) faculty Module
- 3) uses Module

In Admin Module, admin login form having admin username and password. If these values are matched with backend database values, then only admin gets authentication to the server. After authentication, admin control panel will be displayed. Admin can add new agencies.

In user Module, user can register and login to his account. If these values are matched with backend database values, then only user gets authentication to the server. After authentication, user control panel will be displayed.

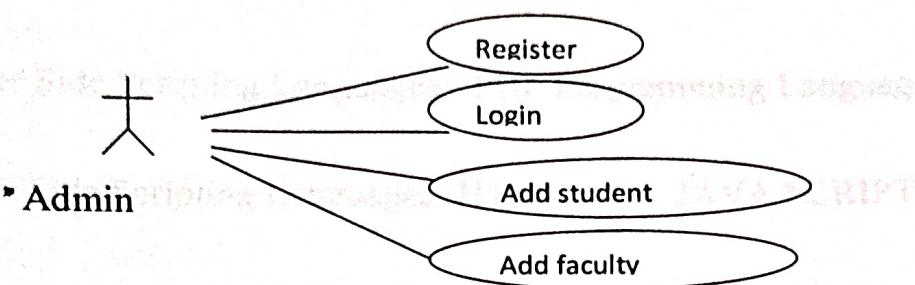
In faculty module, faculty will be login to his account and search for his periods. Students also can search for periods.

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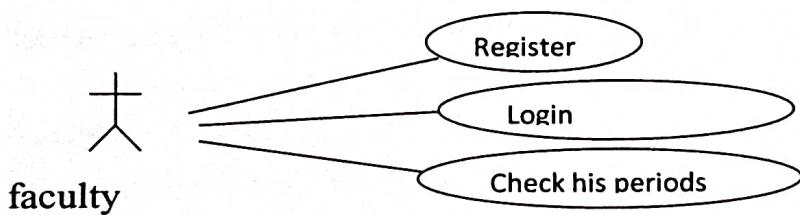
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4. USECASE DIAGRAMS

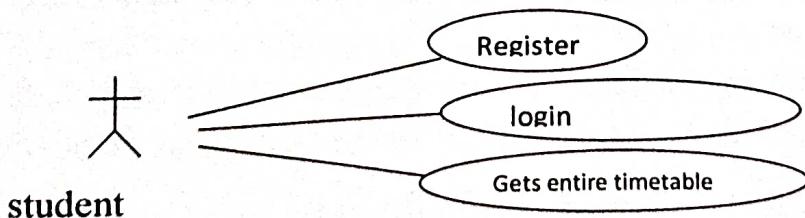
1) Usecase diagram for Admin:



2) Usecase diagram for faculty:



3) Usecase diagram for student:



[Type text]

[Type text]

5.TOOLS/PLATFORMS, LANGUAGES

Operating System: Windows 7

Server: Apache

Server Side Scripting Languages: PHP Programming Language

Client Side Scripting Languages: HTML, CSS, JAVA SCRIPT

[Type text]

[Type text]

About PHP and MySql

6.CODING

1) Index.php

```
<html>
<frameset rows="20%, 80%">
<frame name="f1" src="menu.php">
<frame name=f2>
</frameset>
</html>
```

2) Menu.php:

```
<html>
<body bgcolor="yellow">
<a href="home.php" target="f2">Home</a>
  | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="userlogin.php" target="f2">Student Page</a>
  | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="agentlogin.php" target="f2"> Faculty Page</a>
  | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="adminlogin.php" target="f2">Admin Login</a>

</body>
</html>
```

[Type text]

[Type text]

3) Display all students:

```
<html>
<body bgcolor=lightgreen>
<br><br>
<?php
$c=mysql_connect("localhost", "root", "");
if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}

$d=mysql_select_db("project13");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}

$s="select * from students";
```

[Type text]

[Type text]

```
$k=mysql_query($s, $c);

if(! $k)
{
echo "<br>error in retrieving data";
}
else
{
echo "<br>select command success";
}

echo "<center><table border=1 bgcolor=lightyellow height=30%
width=60%><tr>
<th>Student ID
<th>Student Name
<th>Class
<th>Mobile
";
while($r=mysql_fetch_array($k))
{
echo "<tr><td>$r[0]</td><td>" . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" ;
}
echo "</table></center>
?>

</body>
</html>
```

[Type text]

[Type text]

7.DATABASE TABLES

1) Faculties Table:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	facid	bigint(8)			No	None		AUTO_INCREMENT
2	facname	varchar(30)	latin1_swedish_ci		No	None		
3	sub	varchar(30)	latin1_swedish_ci		No	None		
4	mobile	bigint(10)			No	None		

2) Hours Table:

hour_id	class	subject	weekday
1	class1	maths	monday
2	class1	computers	monday
1	class2	english	monday
2	class2	telugu	monday
1	class1	computers	tuesday
2	class1	maths	tuesday
1	class2	telugu	tuesday
2	class2	english	tuesday

[Type text]

[Type text]

3) students Table:

stuid	stuname	class	mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

[Type text]

[Type text]

8.OUTPUT SCREENS

1) Home.php:

The screenshot shows a web browser window with the URL `localhost/project13/`. The page title is "Welcome to Student Management System". Below the title, a message states: "Using this portal, student can get enrolled, admin can add students and faculties details. Students can search for their faculties." A success message "server connection successful database connection successful select command success" is displayed. Two tables are shown: one for Faculty and one for Students.

Faculty Data:

Faculty ID	Faculty Name	Subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787585

Student Data:

Student Id	Student Name	Class Name	Mobile Number
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656

[Type text]

[Type text]

2) Students page:

The screenshot shows a web browser window with the URL `localhost:8081`. The page title is "Welcome to User Control Panel". Below the title, there is a message: "server connection successful", "database connection successful", and "select command success". A table titled "Display Faculties" is displayed, showing the following data:

Class Name	Faculty Name	Subject	Mobile	Hour
class1	mounika	maths	6567676765	1
class1	mounika	maths	6567676765	1
class1	ravindra	computers	9898989893	2
class1	ravindra	computers	9898989898	2
class2	sindhu	english	8585858585	1
class2	sindhu	english	8585858585	1
class2	srinivasarao	telugu	7878787585	2
class2	srinivasarao	telugu	7878787585	2
class1	ravindra	computers	9898989898	1
class1	ravindra	computers	9898989898	1
class1	mounika	maths	6567676765	2
class1	mounika	maths	6567676765	2
class2	srinivasarao	telugu	7878787585	1
class2	srinivasarao	telugu	7878787585	1
class2	sindhu	english	8585858585	2
class2	sindhu	english	8585858585	2

[Type text]

[Type text]

3) Searching faculty details:

The screenshot shows a web browser window with the URL `localhost/project1/`. The page title is "Welcome to Faculties Control Panel". Below the title, there is a search bar labeled "Search for periods". A table titled "Search for Hours For Faculties" is displayed, showing the following data:

Faculty Name	Subject Name	Hour	Week Day
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday

[Type text]

[Type text]

4)Display all students:

The screenshot shows a web browser window with the URL `localhost/project32`. The page title is "Welcome to Admin Panel". The menu on the left includes links for "Display All Students", "Add New Student", "Update Existing Student", "Delete Existing Student", "Display All Faculties", "Add New Faculties", "Update Existing Faculty", and "Delete Existing Faculty". A message on the right says "server connection successful", "database connection successful", and "select command success". Below the message is a table displaying student data:

Student ID	Student Name	Class	Mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

[Type text]

[Type text]

5) Add new student:

The screenshot shows a web application interface. At the top, there is a navigation bar with links for 'Home', 'Student Page', 'Faculty Page', and 'Admin Login'. The main content area has a left sidebar titled 'Welcome to Admin Panel' containing links for managing students and faculties. The right side is titled 'Add New Student' and contains a form for 'Add New Student Details'. The form includes fields for 'Student Name', 'Class', and 'Mobile', along with 'Add Student' and 'Reset' buttons. A note at the bottom instructs to 'Give Classname as small letters(Ex: class1, class2, etc)'.

Welcome to Admin Panel

[Display All Students](#)
[Add New Student](#)
[Update Existing Student](#)
[Delete Existing Student](#)

[Display All Faculties](#)
[Add New Faculties](#)
[Update Existing Faculty](#)
[Delete Existing Faculty](#)

Add New Student

Add New Student Details

Fill the following details.

Student Name	
Class	
Mobile	
	<input type="button" value="Add Student"/> <input type="button" value="Reset"/>

Give Classname as small letters(Ex: class1, class2, etc)

[Type text]

[Type text]

6)Update existing student:

The screenshot shows a web application interface. At the top, there is a navigation bar with links: Home, Student Page, Faculty Page, and Admin Login. Below this, on the left, is a sidebar titled "Welcome to Admin Panel" containing links for managing students and faculties. The main content area is titled "Update Existing Student Page". It displays a message: "server connection successful", "database connection successful", and "select command success". Below this is a table titled "Existing Students" showing four records:

Student ID	Student Name	Class	Mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

Below the table, there is a form with fields for "Student Id", "Student Name", "Class", and "Mobile". Buttons for "Update Student" and "Reset" are also present. The bottom right corner of the screen shows the system status: 11 AM and 01/01/2019.

[Type text]

[Type text]

7)Delete existing student:

The screenshot shows a web browser window with the URL `localhost/project1`. The page has a header with links for [Home](#), [Student Page](#), [Faculty Page](#), and [Admin Login](#). The main content area is divided into two sections. On the left, under "Welcome to Admin Panel", there are links for [Display All Students](#), [Add New Student](#), [Update Existing Student](#), and [Delete Existing Student](#). Below these are links for [Display All Faculties](#), [Add New Faculties](#), [Update Existing Faculty](#), and [Delete Existing Faculty](#). On the right, the title "Delete Existing Student Page" is displayed above a table titled "Delete Existing Student". The table has four columns: "Student ID", "Student Name", "Class", and "Mobbile". The data in the table is as follows:

Student ID	Student Name	Class	Mobbile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

Below the table, a message says "Fill the following details." followed by a form with fields for "Student Id" and "Student Name", and buttons for "Delete Student" and "Reset". The status bar at the bottom of the browser shows the time as 1:32 AM and the date as 31-12-2019.

3) Display all faculty details:

[Type text]

[Type text]

localhost:9092
← ⌂ ⌂ localhost:9092

Home | Student Page | Faculty Page

Admin Login

Welcome to Admin Panel

[Display All Students](#)

[Add New Student](#)

[Update Existing Student](#)

[Delete Existing Student](#)

[Display All Faculties](#)

[Add New Faculties](#)

[Update Existing Faculty](#)

[Delete Existing Faculty](#)

server connection successful
database connection successful
select command success

faculty ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585558585
104	srinivasarao	telugu	7878787585



1:33 AM
31/1/2019

[Type text]

[Type text]

8)Add new faculty:

The screenshot shows a web application interface. At the top, there is a navigation bar with icons for back, forward, and search, followed by the text "westgateindia.com". Below the navigation bar, there are links for "Home", "Student Page", "Faculty Page", and "Admin Login".

The main content area has a left sidebar titled "Welcome to Admin Panel" containing links for managing students and faculties. The main panel is titled "Add New faculty" and contains the following text:

Add New faculty Details

Fill the following details.

faculty Name	<input type="text"/>
subject	<input type="text"/>
Mobile	<input type="text"/>
	<input type="button" value="Add faculty"/> <input type="button" value="Reset"/>

Give subjectname as small letters(Ex: subject1, subject2, etc)

At the bottom of the screen, there is a taskbar with several icons and the system date and time: "11:11 AM 01-01-2019".

[Type text]

[Type text]

9)Update existing faculty:

The screenshot shows a web browser window with the URL `localhost/masters1`. The page title is "Update Existing faculty Page". The left sidebar, titled "Welcome to Admin Panel", contains links for managing students and faculty. The main content area displays a table of existing faculty members and a form for updating one.

Welcome to Admin Panel

[Display All Students](#)
[Add New Student](#)
[Update Existing Student](#)
[Delete Existing Student](#)

[Display All Faculties](#)
[Add New Faculties](#)
[Update Existing Faculty](#)
[Delete Existing Faculty](#)

Update Existing faculty Page

server connection successful
database connection succesful
select command success

facultyt ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	moumika	maths	6567676765
103	sundhu	english	8585858585
104	srinivasarao	telugu	7878787585

Fill the following details.

faculty Id	<input type="text"/>
faculty Name	<input type="text"/>
subject	<input type="text"/>
Mobile	<input type="text"/>
	<input type="button" value="Update faculty"/> <input type="button" value="Reset"/>

11:33 AM 31/12/2019

[Type text]

[Type text]

10)Delete existing faculty:

The screenshot shows a web application interface. At the top, there is a navigation bar with links for 'Home', 'Student Page', 'Faculty Page', and 'Admin Login'. Below the navigation bar, the main content area has two sections: 'Welcome to Admin Panel' on the left and 'Delete Existing faculty Page' on the right.

In the 'Welcome to Admin Panel' section, there are links for managing students and faculties:

- Display All Students
- Add New Student
- Update Existing Student
- Delete Existing Student
- Display All Faculties
- Add New Faculties
- Update Existing Faculty
- Delete Existing Faculty

In the 'Delete Existing faculty Page' section, there is a message indicating successful database connection and command execution:

server connection sucessful
database connection sucessful
select command success

A table displays the current data for faculty members:

faculty ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787878

Below the table, a message says 'Fill the following details.' followed by a form:

faculty Id	<input type="text"/>
faculty Name	<input type="text"/>
	<input type="button" value="Delete faculty"/> <input type="button" value="Reset"/>

At the bottom of the screen, there is a toolbar with various icons and a status bar showing the time as 1:34 AM and the date as 16/01/2019.

[Type text]

9.TEST CASES

- 1) Test Case 1: Admin Login- check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the admin gets authentication.- It is success.
- 2) Test Case 2: faculty Login: check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the customer gets authentication.- It is success.
- 3) Test Case 3: search for periods: To search for periods. The students must be registered student in our school. Students can search for periods. It is success.

10. LIMITATIONS OF PROJECT

In this project we developed all the functionalities of school management applications. Here limitations are, this project not contains all the roles of faculty and students. Here we used only admin to manage and maintain applications. In real world applications, multiple branches of schools exists. Here in this project we used only one branch of students.

[Type text]

11. SCOPE OF FUTURE REFERENCE

11.1. Scope of Future Reference

This project is very much used in future for school related applications. Here, we developed this application with fully secured server side scripting language PHP. All the functionalities of banking application are included in this project.

1. *Prakash, Sureshbabu, Phani, P. Keerthi and S. Sudarshan, Database System Concepts, McGraw-Hill Education, New Delhi, 2008.*

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7. *Prakash and Sudarshan, Database Systems Through Implementation, Pearson Education, New Delhi, India, 2008.*

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9. *Prakash and Sudarshan, Database Systems Through Implementation, Pearson Education, New Delhi, India, 2008.*

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1. C. J. Date, A. Kannan and S. Swamynathan, *An Introduction to Database Systems*, Pearson Education, Eighth Edition, 2009.
2. Abraham Silberschatz, Henry F. Korth and S. Sudarshan, *Database System Concepts*, McGraw-Hill Education (Asia), Fifth Edition, 2006.
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6. Atul Kahate, *Introduction to Database Management Systems*, Pearson ...

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